

NYCOA 5133 HS 33% Glass-Fiber Reinforced, Impact Modified, Heat Stabilized Nylon 66 Resin

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

NYCOA 5133 HS is a 33% glass fiber reinforced, heat stabilized, impact modified, Nylon 66 suitable for injection molding. It offers excellent balance of mechanical, thermal and chemical properties; exceptional toughness, stiffness, and dimensional stability. NYCOA 5133 HS is available in UV stable, custom colors, and impact modified grades. It also has excellent chemical resistance to greases, oils, and other hydrocarbons. Typical applications include hardware and automotive under the hood components. Information provided by Nycoa, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NYCOA-5133-HS-33-Glass-Fiber-Reinforced-Impact-Modified-Heat-Stabilized-Nylon-66-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Water Absorption	0.50 %	0.50 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	165 MPa	23900 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	230 MPa	33400 psi	ASTM D790
Flexural Modulus	8.00 GPa	1160 ksi	ASTM D790
Izod Impact, Notched	2.00 J/cm	3.75 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	258 °C	496 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	ASTM D648

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